City of Loma Linda
Official Report

Floyd Petersen, Mayor
Stan Brauer, Mayor pro tempore
Robert Christman, Councilmember
Robert Ziprick, Councilmember
Charles Umeda, Councilmember

DATE: September 13, 2005

COUNCIL AGENDA:

TO: City Council

VIA: Dennis R. Halloway, City Manager

FROM: Mike Norris, Fire Chief

SUBJECT: Fire Apparatus Purchase

RECOMMENDATION
It is respectfully recommended that the City Council approve the purchase of one (1) fire engine and one (1) ladder truck from Smeal Fire Apparatus of Snyder, Nebraska in the amount of $823,285.

BACKGROUND
The current ladder truck, a "Quint" with a pump and a water tank, was manufactured in 1986 and while it has served well over the years, has many hours of use on the ladder resulting in multiple repair problems being encountered over the past two years. Consequently, the truck has been out of service for several months during that time period.

The current front-line engine, ME 251, was manufactured in 1996. Due to near-constant use it is experiencing some electrical and mechanical problems. It would be best to place the vehicle into a second-line status. The current second-line engine was built in 1982 has over 104, 000 miles on it, and is due to go into a reserve capacity.

ANALYSIS
This purchase will stabilize the Fire Department's front-line fleet and provide sufficient reserve apparatus to meet the Department's current needs. Purchasing the fire apparatus will return one engine to reserve status, will provide for a dependable and more maneuverable ladder truck improving the stability of the front-line and reserve fleet. Pricing on these apparatus are "tag-on" purchases with Riverside County Fire Department Bids.

Fire Administration sought bids from four (4) fire apparatus manufacturers: Smeal, Pierce, KME, and Ferrara. All manufacturers submitted "off-the-line" bids (see attached bid proposals). Smeal Fire Apparatus had the second lowest bid on off-the-line apparatus, and had a fire engine with a smaller turning radius as well as the best approach and departure angles.

AGENDA ITEM 17

Fire Administration then pursued a bid with Smeal for custom apparatus since they presented the engine with the best capabilities for the department. This engine has a 2000 GPM pump capacity, a 500-gallon water tank, a 35' ground ladder, and is built on a more compact chassis than the department currently has.

Smeal also has the capability of building a high quality ladder truck as well. The truck will have a 2000 GPM pump, a 500-gallon tank, and a 75' ladder. The shorter 2-axle wheelbase will allow it to access most streets in the city

Both units will be standardized with the same cab build-up, motor, pump and other items, streamlining operations and maintenance procedures.

Pricing on these apparatus are "tag-on" purchases with Riverside County Fire Department Bids.

ENVIRONMENTAL
Not applicable.

FINANCIAL IMPACT
Funding for the apparatus was approved by and will come from the Redevelopment Agency.

Fire Apparatus Bid Proposals

Smeal Fire Apparatus

Off the Line
75' Aerial Ladder Truck	$452,000
Engine	$359,000
Total	$811,000

Smeal - Custom Built
75' Aerial Ladder Truck	$477,998
Engine	$345,287
Total	$823,285

Pierce Fire Apparatus

Off the Line
75' Aerial Ladder Truck	$525,900
Engine	$288,706
Total	$814,606

KME Fire Apparatus

Off the Line
75' Aerial Ladder Truck	$550,000
Engine	$312,932
Total	$862,932

Ferrara Fire Apparatus

Off the Line
77' Aerial Ladder Truck	$495,500
Engine	$315,000
Total	$810,500

NG	DEPTH	
	UPPER	LOWER
62H	13	24
30H	13	N/A
60H	24	24
30H	13	N/A
38H	21	12

ATE DIVIDE HEIGHT	
L3/R3	26

120" [10']
EST.
HEIGHT

112"

115" CAB TO AXLE

95"

169" WHEEL BASE

63"

331" [27'-7"] EST. OVERALL LENGTH
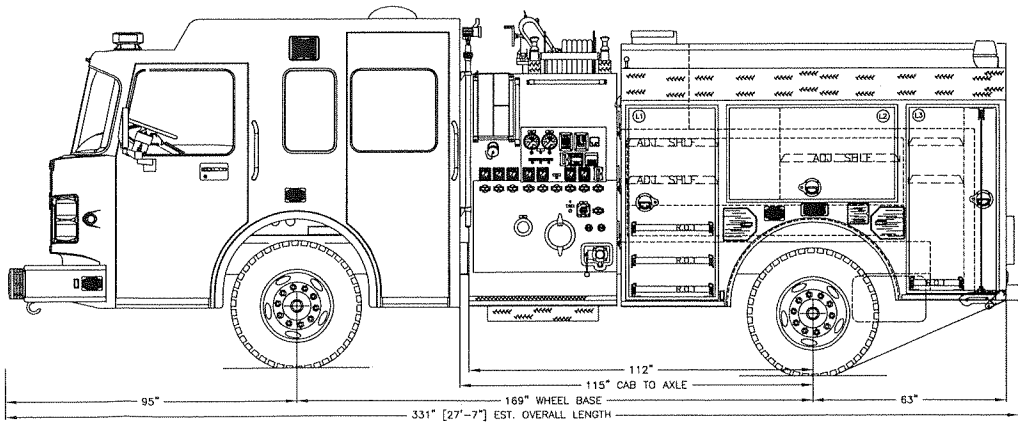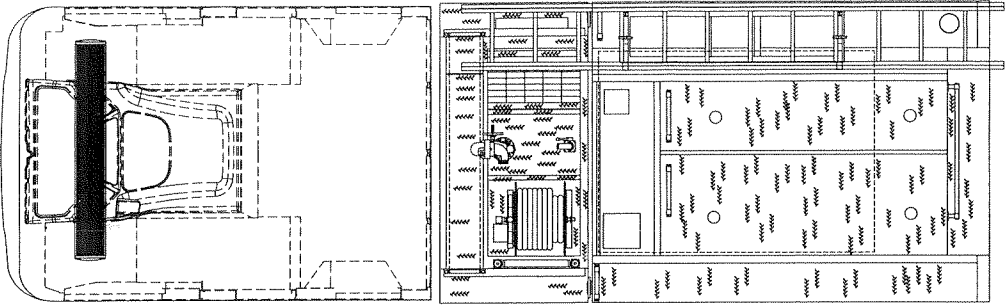
TEROUS PUMP
ROUS AUXILLARY PUMP ABOVE MAIN PUMP
Y TANK W/25 FOAM CELL
DY
CHASSIS

CAB

PRELIMINARY
DRAFT

Date	Approval Signatures	Revisions		Revisions	SMEAL FIRE APPARATUS
	DEALER				SNYDER, NE 68664
	FIRE CHIEF				CITY OF LOMA LINDA
	SALES AD.				LOMA LINDA, CA.
	PRODUCTION			smed	Drawn by: JAW / Scale: 3/8"=1' / Material:
	ENGINEERING			SNYDER, NEBRASKA	Chk'd: / Date: 7/29/05 / Drawing No: 3884
					18 x 24 / BID

COMPT.	OPENING	UPPER DEPTH	LOWER
L1	53W × 56H	14	24
L2	35W × 22H	14	N/A
L3	41W × 18H	14	N/A
L4	27W × 50H	14	23
R1	53W × 56H	14	24
R2	35W × 22H	14	N/A
R3	41W × 18H	14	N/A
R4	51W × 50H	14	23
INTERMEDIATE DIVIDE HEIGHT			
L1/R1	30	L4/R4	25 1/2

136" [11'-4"]
EST. O.A.H.

75FL

L1   L2   L3   L4

PUMP PANEL

11"   60"   90"   10"

117"   208"   134"

459" [38'-3"] EST. O.A.L.
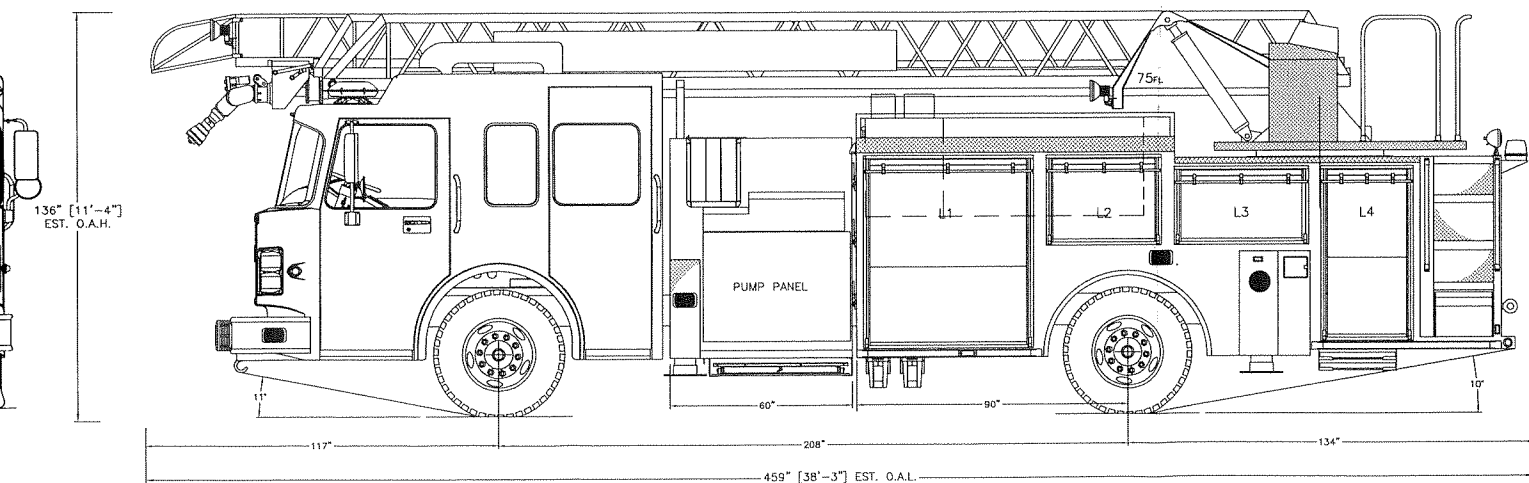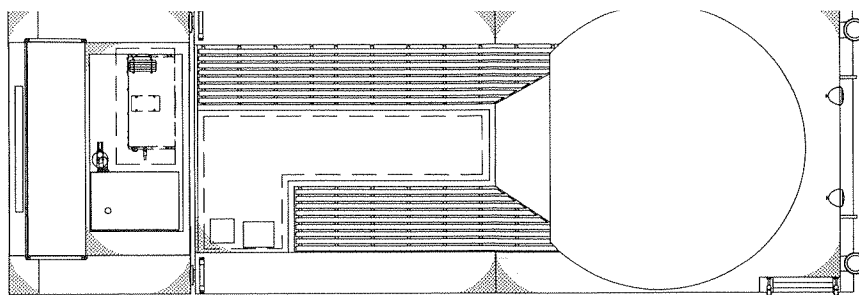
CHASSIS: SIRIUS
TANK: 300 GAL & 20 FOAM
HOSEBED: 800' OF 4" & 1200' OF 2½"
GENERATOR: ONAN 6K
COMPARTMENTS: 183 CUBIC FEET

PRELIMINARY
DRAFT